

Please type a plus sign (+) inside this box



PTO/S&amp;O 08-003

Approved for use through 07/31/2008. OMB 0531-0031  
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 2

Application Number 10/613,347

Filing Date July 3, 2003

First Named Inventor Neil A. A. Simpson

Group Art Unit 3679

Examiner Name Eric K. Nicholson

Attorney Docket Number MPKS/0093

Submission Date

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	US-5,360,240	11-01-1994	Mott	
	A2				
	A3	US-			
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Number-Kind Code <sup>2</sup> (if known)				
VP	B1	WO 03/078882	09-25-2003	Hashem		
	B2	WO 03/036012	05-01-2003	Sivley		
	B3	WO 03/032331	04-17-2003	Sivley		
	B4	WO 02/075197	09-26-2002	Delange et al.		
	B5	EP 1 106 778	06-13-2001	Sivley et al.		
VP	B6	UK 706,342	03-31-1954	Marskell		

Examiner

V. Patel

Date Considered

11/31/06

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* Applicant's unique citation designation number (optional). \* See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. \* Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \* Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \* Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the-USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Please type a plus sign (+) inside this box → ☐

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/613,341
		Filing Date	July 3, 2003
		First Named Inventor	Neil A. A. Simpson
		Group Art Unit	5149
		Examiner Name	Unknown
		Attorney Docket Number	MRKS/0093
Sheet 1	of 2	Submission Date	February 2004

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
VP	A1	US-09/381,508	03/20/1998	Metcalfe	
	A2	US-08/762,410	08/09/1999	Metcalfe	
	A3	US-10/313,920	12/06/2002	Maguire	
	A4	US-10/443,684	05/22/2003	Ellington	
	A5	US-10/683,351	09/12/2003	Ellington	
	A6	US-10/664,584	09/17/2003	Evans et al.	
VP	A7	US-10/670,133	09/26/2003	Macaulay	

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
		Number-Kind Code <sup>2</sup> (if known)				
VP	B1	WO 83/12323	08/24/1993	Krylov et al.		
	B2	WO 83/25800 A1	12/23/1993	Lohbeck		
	B3	WO 96/37680	11/28/1996	Lohbeck		
	B4	WO 96/37681 A1	11/28/1996	Campbell		
	B5	WO 96/37687	12/06/1995	Haas et al.		
	B6	WO 97/17524 A2	05/15/1997	Doonnelly		
	B7	WO 97/21901	06/19/1997	Campbell		
	B8	WO 98/22690 A1	05/28/1998	Lohbeck		
	B9	WO 98/32948 A1	07/30/1995	Pietras		
	B10	WO 98/42947 A1	10/01/1998	Metcalfe		
	B11	WO 00/08301 A2	02/17/2000	Metcalfe		
	B12	WO 02/059458	08/01/2002	King et al.		
	B13	EP 0 659 875 A2	06/28/1995	Nagaoka		
	B14	EP 0 171 144 A1	02/12/1986	Stringfellow		
	B15	EP 0 803 637 A2	10/29/1997	Gallagher		
	B16	GB 2 099 529 A	12/08/1982	McGregor		
VP	B17	GB 2 161 569 A	07/02/1985	Rumert		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Code of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

2455 1 PVP

Please type a plus sign (+) inside this box



PTO/SB/08b (08-03)

Approved for use through 05/30/2008. OM3 0551-0031  
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/813,344
		Filing Date	July 3, 2003
		First Named Inventor	Neil A. A. Simpson
		Group Art Unit	5149
		Examiner Name	Unknown
		Attorney Docket Number	MRKS/0093
Sheet 2	of 2	Submission Date	February __, 2004

**COPY**

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	C1	GB 0221220.7 Search Report	
	C2	GB 0215668.5 Search Report	
	C3	GB 0222321.2 Search Report	
	C4	PCT/GB 98/00863 Written Opinion	
VP	C6	"polytetrafluoroethylene", Encyclopedia Britannica; <a href="http://www.search.eb.com/eb/article?eu=62273">http://www.search.eb.com/eb/article?eu=62273</a> [Accessed October 22, 2002].	
VP	C7	"industrial polymers, major", Encyclopedia Britannica; <a href="http://www.search.eb.com/eb/article?eu=62273">http://www.search.eb.com/eb/article?eu=62273</a> [Accessed October 22, 2002].	
	C8		
	C9		
	C10		
	C11		
	C12		

Reference  
Should be  
listed on  
an IDS.

Examiner

*Vesha Patel*

Date Considered

*1/31/06*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-6199 (1-800-786-9199) and select option 2.